AC Voltage Drop & Power losses

From Inverters to PV MDB's to Pocc												
Inv #	**Power of Inverter (KW)**	**Cables Cross-Section (mm^2)**	**AC POWER (Kwac)**	**Grid Voltage (V)**	**IL (A)**	**mV**	**Length m**	**Circuit Breaker For Inverter (A)**	**V Drop**	**V drop %**	**Power Losses (P_{Loss}) (W)**	**Power Losses (P_{loss} %)**
INV N.1	100 KW	4 X 70 mm^2	100 KW	400 V	160.4 A	0.59	10	**250A~4P**	0.94	**0.24%**	151.28	**0.15%**
INV N.1	100 KW	4 X 70 mm^2	100 KW	400 V	160.4 A	0.59	10	**250A~4P**	0.94	**0.24%**	151.28	**0.15%**
Main	200 KW	4 X 150 mm^2	200 KW	400 V	320.8 A	0.32	10	**400A~4P**	1.02	**0.26%**	327.26	**0.16%**
THE WHOLE SYSTEM									**0.49%**		**0.31%**	